CLAIMS

1.　　A data processing device comprising:

a first data reading unit (1311) for reading template data including a message

5　　data creation supporting area for creating message data and a message display area for

displaying said message data;

a message data creation supporting area determining unit (1312) determining

said message data creation supporting area included in said template data; and

a message data editing unit (1316) editing said message data by using data in

10　　said message data creation supporting area.

2.　　The data processing device according to claim 1, wherein

said message data creation supporting area includes at least one of media data to

be reproduced in said message data, layout information used for reproducing said media

15　　data, information indicating timing of reproduction of said media data, information

indicating editable media data among said media data, information specifying a function

to be started for editing said media data and data of guidance being effective when

creating said message data.

·20　　3.　　The data processing device according to claim 2, wherein

said function to be started for editing said media data is provided from a different

device and can be used by accessing said different device.

4.　　The data processing device according to claim 2, wherein

25　　said template data is data described with tags, and

the layout information used for reproducing said media data, the information

indicating timing of reproduction of said media data, the information indicating the

editable media data among said media data, the information specifying the function to be

started for editing said media data and the data of guidance being effective when creating said message data are described for determination according to said tags or attributes of said tags, and

said message data creation supporting area determining unit (1312) determines said tags or the attributes of said tags to discriminate at least one of the layout information used for reproducing said media data, the information indicating timing of reproduction of said media data, the information indicating the editable media data among said media data, the information specifying the function to be started for editing said media data and the data of guidance being effective when creating said message data, and thereby determines said message data creation supporting area included in said template data.

5.   The data processing device according to claim 2, wherein
said template data is data described using tags,
said tags include a tag indicating said message data creation supporting area, and
said message data creation supporting area determining unit (1312) uses the tag indicating said message data creation supporting area to determine said message data creation supporting area included in said template data.

6.   The data processing device according to claim 2, wherein
said template data is data described using tags,
said tags include a tag indicating an area other than said message data creation supporting area, and
said message data creation supporting area determining unit (1312) uses the tag indicating the area other than said message data creation supporting area to determine said message data creation supporting area included in said template data.

7.   The data processing device according to claim 1, wherein

said template data further includes a template data provider information area bearing information specifying a provider of said template data.

8.   The data processing device according to claim 1, wherein
said template data includes template data component information indicating a location of at least one of said message data creation supporting area, said message data display area and said template data provider information area.

9.   The data processing device according to claim 8, wherein
said template data component information is included in a header area of said template data, and

said message data creation supporting area determining unit (1312) determines said message data creation supporting area included in said template data based on information included in the header area of said template data.

10.   The data processing device according to claim 8, wherein
said template data includes data formed of a plurality of file units, and said template data component information is one of said file units of data in said template data.

11.   The data processing device according to claim 1, wherein
said message display area includes at least one of media data to be reproduced in said message data, layout information used for reproducing said media data, information indicating timing of reproduction of said media data, information indicating editable media data among said media data, information specifying a function to be started for editing said media data and data of guidance being effective when creating said message data.

12.   The data processing device according to claim 11, further comprising:

a first message display area determining unit (1312) determining said message display area included in said template data, wherein

said message data editing unit (1316) simultaneously edits said message display area when editing said message data.

13.   The data processing device according to claim 11, wherein

said message data editing unit (1316) edits said message data according to information in the message data creation supporting area determined by said message data creation supporting area determining unit (1312), and creates the message data using said edited data and the information of said message display area.

14.   The data processing device according to claim 13, wherein

said message data editing unit (1316) describes a provider of said read template data in said edited message data when creating said message data.

15.   The data processing device according to claim 13, wherein

said message data editing unit (1316) creates said message data including information indicating a location of said message data creation supporting area in a header area.

16.   The data processing device according to claim 13, wherein

said message data editing unit (1316) creates said message data further including a template ID identifying said template data, and storing said message data in a storing unit (130).

17.   The data processing device according to claim 16, further comprising:

a second data reading unit (1319) reading the message data stored in said storing

unit; and

a template determining unit (1320) determining the template data used creating said message data based on the template ID included in said read message data, wherein

said first data reading unit (1311) reads said determined template data, and

said message data editing unit (1316) performs reedition of the message data read by said second data reading unit (1319) according to the information in the message data creation supporting area included in said template data.

18. The data processing device according to claim 11, wherein

said message data editing unit (1316) creates the message data by adding the message data creation supporting area included in said read template data to said edited message display area.

19. The data processing device according to claim 18, wherein

said message data editing unit (1316) deletes at least one of the information indicating the editable information, the information specifying the function to be started for editing said media data and data of guidance being effective when creating the message data from said message display area when creating said message data.

20. The data processing device according to claim 1, further comprising:

a communication unit (110) for transmitting the created message data.

21. The data processing device according to claim 1, further comprising:

a communication unit (110) receiving the message data including a message display area for display on the reception side and the message data creation supporting area used for previous creation;

a storing unit (130) storing said received message data;

a second data reading unit (1319) reading said stored message data;

a second message display area determining unit (1312) determining said message display area included in said read message data; and

a message reproducing unit (1313) displaying and reproducing said message data by using the data in said message display area, wherein

5   said message data editing unit (1316) creates the message data while assuming that said read message data is the template data.

22.   The data processing device comprising:

a communication unit (110) receiving message data including a message display·
10   area for display on a reception side and a message data creation supporting area used for previous creation;

a storing unit (130) storing said received message data;

a data reading unit (1319) reading said stored message data;

a message display area determining unit (1312) determining said message display
15   area included in said read message data;

a message reproducing unit (1313) displaying and reproducing said message data by using the data in said message display area; and

a template data writing unit (1318) writing said message data a template data.

20   23.   The data processing device according to claim 22, wherein

said message data creation supporting area includes at least one of media data to be reproduced in said message data, layout information used for reproducing said media data, information indicating timing of reproduction of said media data, information indicating editable media data among said media data, information specifying a function
25   to be started for editing said media data, and data of guidance being effective when creating said message data.

24.   The data processing device according to claim 23, wherein

the function to be started for editing said media data is provided from a different device and can be used by accessing said different device.

25.   The data processing device according to claim 23, wherein
said message data is data described with tags,
the layout information for reproducing said media data, the information indicating timing of reproduction of said media data, the information indicating the editable media data among said media data, the information specifying the function to be started for editing said media data and the data of guidance being effective when creating said message data are described for determination according to said tags or attributes of said tags, and

said message data creation supporting area determining unit (1312) determines said tags or the attributes of said tags to discriminate at least one of the layout information for reproducing said media data, the information indicating timing of reproduction of said media data, the information indicating the editable media data among said media data, the information specifying the function to be started for editing said media data and the data of guidance being effective when creating said message data, and thereby determines said message data creation supporting area included in said message data.

26.   The data processing device according to claim 23, wherein
said message data is data described using tags,
said tags include a tag indicating said message data creation supporting area, and
said message data creation supporting area determining unit (1312) uses the tag indicating said message data creation supporting area to determine said message data creation supporting area included in said message data.

27.   The data processing device according to claim 23, wherein

said message data is data described using tags,

said tags include a tag indicating an area other than said message data creation supporting area, and

said message data creation supporting area determining unit (1312) uses the tag indicating the area other than said message data creation supporting area to determine said message data creation supporting area included in said message data.

28. The data processing device according to claim 22, wherein

said message display area includes information instructing access to a different device, and

said message reproducing unit (1313) accesses said different device to display data obtained by the accessing when the information instructing the access to said different device is included.

29. The data processing device according to claim 22, wherein

said message data includes message data component information indicating a location of at least one of said message data creation supporting area, said message data display area and said template data provider information area.

30. The data processing device according to claim 29, wherein

said message data component information is included in a header area of said message data, and

said message data creation supporting area determining unit (1312) determines said message data creation supporting area included in said message data based on information included in the header area of said message data.

31. The data processing device according to claim 29, wherein

said message data includes data formed of a plurality of file units, and said

message data component information is the data of one of said file units in said message data.

32.   A data processing device comprising:

a communication unit (110) receiving message data including a message display area for display on a reception side and a message data creation supporting area used for previous creation;

a storing unit (120) storing said received message data;

a data reading unit (1319) reading said stored message data;

a message display area determining unit (1312) determining said message display area included in said read message data;

a message reproducing unit (1313) displaying and reproducing said message data by using the data in said message display area;

a message data creation supporting area determining unit (1312) determining said message data creation supporting area included in said message data; and

a template data writing unit (1318) writing said message data as the template data using data in said determined message data creation supporting area.

33.   A data processing device comprising:

a communication unit (110) receiving message data including a message display area for display on a reception side and a template data provider information area describing information specifying a provider of template data used for previous creation;

a storing unit (120) storing said received message data;

a data reading unit (1319) reading said stored message data;

a message display area determining unit (1312) determining said message display area included in said read message data;

a message reproducing unit (1313) displaying and reproducing said message data by using the data in said message display area;

a template data provider determining unit (1331) determining a provider of the template data used creating said message data by using the data in said template data provider information area;

a template data obtaining unit obtaining said template data from said provider; and

a message data creating unit (1317) creating the message data by using said obtained template data.

34.   A data processing device comprising:

a communication unit (110) receiving message data including a message display area for display on a reception side and a template data ID describing information identifying template data used for previous creation;

a storing unit (120) storing said received message data;

a data reading unit (1319) reading said stored message data;

a message display area determining unit (1312) determining said message display area included in said read message data;

a message reproducing unit (1313) displaying and reproducing said message data by using the data in said message display area;

a template data determining unit (1331) determining the template data used creating said message data based on the template data ID included in the read message data;

a template data obtaining unit (1332) obtaining said determined template data when said determined template data is obtainable; and

a message data creating unit (1316) creating the message data by using said obtained template data.

35.   A data processing device comprising:

a communication unit (110) receiving message data including a message display

area for display on a reception side and a template data ID describing information identifying template data used for previous creation;

a storing unit (120) storing said received message data;

a data reading unit (1319) reading said stored message data;

a message display area determining unit (1312) determining said message display area included in said read message data;

a message reproducing unit (1313) displaying and reproducing said message data by using the data in said message display area;

a template ID transmitting unit (110) transmitting the template data ID included in said read message data to a different device;

a template data obtaining unit (1332) obtaining the template data determined based on said template ID as the template data used creating the message data from said different device; and

a message data creating unit (1317) creating the message data by using said obtained template data.

36.　A data processing device comprising:

a data receiving unit (310) receiving message data including a message display area for display by a terminal on a reception side, a message data creation supporting area used for previous creation and an identifier of the terminal on the reception side;

an identifier extracting unit (322) extracting the identifier of the terminal on the reception side included in said received message;

a storing unit (321) storing a table determining a correspondence between the identifiers of the terminals and processing capabilities;

a processing capacity determining unit (320) determining the processing capacity corresponding to said extracted identifier of the terminal with reference to said table;

a data editing unit (330) editing said message data according to said determined processing capacity; and

a data transmitting unit (340) transmitting said edited data.

37.   A data processing method comprising:

a data reading step (S13) of reading template data formed of a message data

5   creation supporting area for creating message data and a message display area for

displaying said message data;

a message data creation supporting area determining step (S14) of determining

said message data creation supporting area included in said template data; and

a message data editing step (S35) of editing said message data by using data in

10   said message data creation supporting area, wherein

said message data editing step (S35) creates said message data including the

message data creation supporting area included in said read template data.

38.   A data processing method comprising:

15   a receiving step of receiving message data including a message display area for

display on a reception side and a message data creation supporting area used for

previous creation;

a storing step of storing said received message data in a storing device;

a data reading step (S191) of reading said message data stored in said storing

20   device;

a message display area determining step (S194) of determining said message

display area included in said read message data;

a message reproducing step (S16) of displaying and reproducing said message

data by using the data in said message display area; and

25   a template data writing step (S57) of writing said message data as template data.

39.   A data processing method comprising:

a receiving step of receiving message data including a message display area for

display on a reception side and a message data creation supporting area used for previous creation;

a storing step of storing said received message data in a storing device;

a data reading step (S191) of reading said message data stored in said storing device;

a message display area determining step (194) of determining said message display area included in said read message data;

a message reproducing step (S16) of displaying and reproducing said message data by using the data in said message display area;

a message data creation supporting area determining step (S194) of determining said message data creation supporting area included in said message data; and

a template data writing step (S57) of writing said message data as template data by using the data in said determined message data creation supporting area.

40.   A data processing method comprising:

a receiving step of receiving message data including a message display area for display on a reception side and a template data provider information area describing information specifying a provider of template data used for previous creation;

a storing step of storing said received message data in a storing device;

a data reading step (S91) of reading said message data stored in said storing device;

a message display area determining step (S194) of determining said message display area included in said read message data;

a message reproducing step (S16) of displaying and reproducing said message data by using the data in said message display area;

a template data provider determining step (S192) of determining a provider of the template data used creating said message data by using the data in said template data provider information area;

a template data obtaining step (S13) of obtaining said template data from said provider; and

a message data creating step (S35) of creating the message data by using said obtained template data.

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41.   A data processing program causing a computer to execute data processing by executing:

a data reading step (S13) of reading template data formed of a message data creation supporting area for creating message data and a message display area for

10   displaying said message data;

a message data creation supporting area determining step (S14) of determining said message data creation supporting area included in said template data; and

a message data editing step (S35) of editing said message data by using data in said message data creation supporting area, wherein

15   said message data editing step (S35) creates said message data including the message data creation supporting area included in said read template data.

42.   A data processing program causing a computer to execute data processing by executing;

20   a receiving step of receiving message data including a message display area for display on a reception side and a message data creation supporting area used for previous creation;

a storing step of storing said received message data in a storing device;

a data reading step (S191) of reading said message data stored in said storing

25   device;

a message display area determining step (S194) of determining said message display area included in said read message data;

a message reproducing step (S16) of displaying and reproducing said message

data by using the data in said message display area; and

a template data writing step (S57) of writing said message data as template data.

43.   A data processing program causing a computer to execute data processing by executing:

a receiving step of receiving message data including a message display area for display on a reception side and a message data creation supporting area used for previous creation;

a storing step of storing said received message data in a storing device;

a data reading step (S191) of reading said message data stored in said storing device;

a message display area determining step (194) of determining said message display area included in said read message data;

a message reproducing step (S16) of displaying and reproducing said message data by using the data in said message display area;

a message data creation supporting area determining step (S194) of determining said message data creation supporting area included in said message data; and

a template data writing step (S57) of writing said message data as template data by using the data in said determined message data creation supporting area.

44.   A data processing program causing a computer to execute data processing by executing:

a receiving step of receiving message data including a message display area for display on a reception side and a template data provider information area describing information specifying a provider of template data used for previous creation;

a storing step of storing said received message data in a storing device;

a data reading step (S91) of reading said message data stored in said storing device;

a message display area determining step (S194) of determining said message display area included in said read message data;

a message reproducing step (S16) of displaying and reproducing said message data by using the data in said message display area;

5   a template data provider determining step (S192) of determining a provider of the template data used creating said message data by using the data in said template data provider information area;

a template data obtaining step (S13) of obtaining said template data from said provider; and

10   a message data creating step (S35) of creating the message data by using said obtained template data